

ACTIVITIES OF PRODUCTION COMPLEX INVESTMENT PROJECTS IN GAS PROCESSING SECTOR

Vitaly Markelov

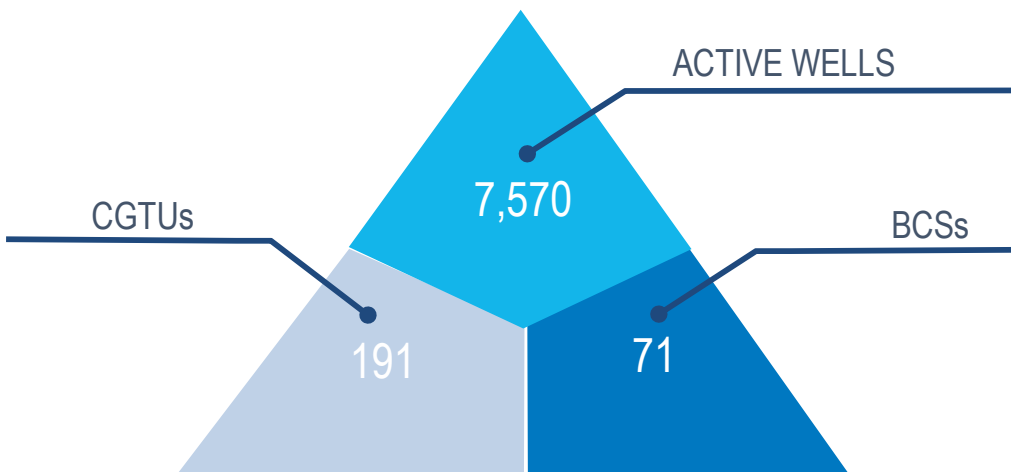
Deputy Chairman of the Gazprom Management Committee

GAS PRODUCTION BY THE GAZPROM GROUP

Actual gas production in 2020 – 453.5 bcm

Expected gas production for 2021 – 506.5 bcm

Production capacities



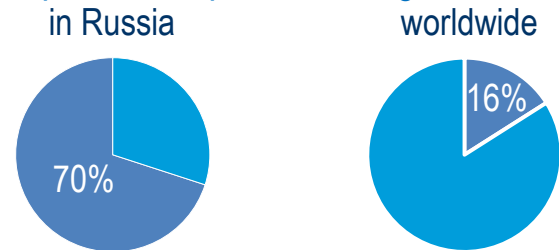
Russian classification (A+B1+C1 categories)

- Gas – 33.6 tcm
- Condensate and oil – 3.5 bln t

International PRMS classification (proven + probable)

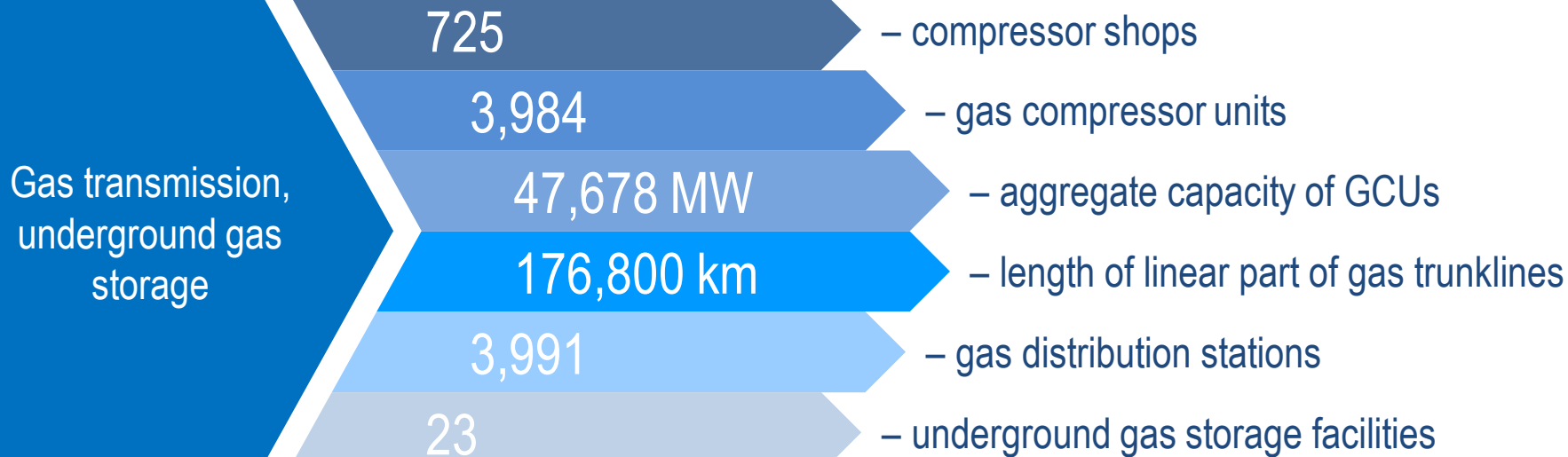
- Gas – 24.5 tcm
- Condensate and oil – 2.5 bln t

Gazprom Group's share in gas reserves



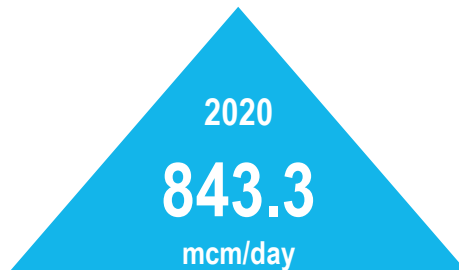
Exploration results for 2020

- Gas reserves added via exploration – 486.3 bcm
- Gas reserve replacement ratio – 1.08
- 3 fields discovered:
 - ❖ 75 Years of Victory – Kara Sea shelf, gas field, large gas reserves of more than 200 bcm ($C_1 + C_2$ categories)
 - ❖ Solkhem – KhMAA-Yugra, oil field
 - ❖ Tsentralno-Uranskoye – Orenburg Region, oil field
- 22 new deposits identified in fields discovered earlier in the YaNAA, KhMAA-Yugra, Tomsk Region, and on the Kara Sea shelf

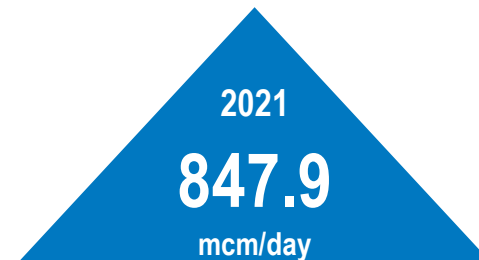




Working gas inventories
in Russian UGS facilities



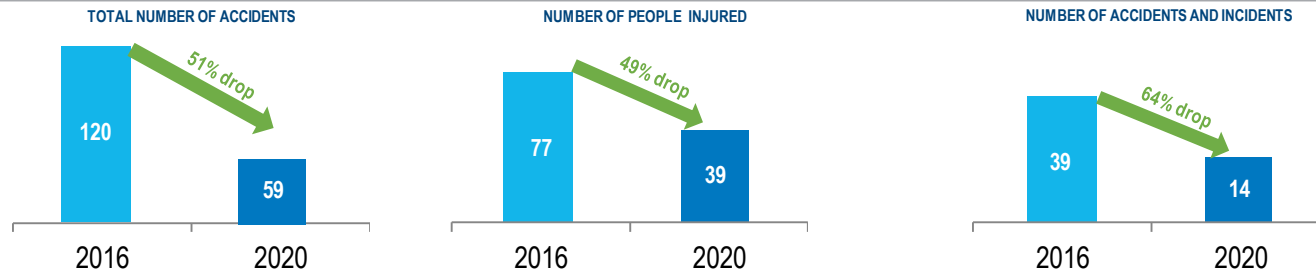
Deliverability of
Russian UGS facilities



Integrated System of Process Safety Management



Results of Process Safety Management System Development Strategy until 2021



Process Safety Management System Development Strategy for 2021–2030

GOALS OF PROCESS SAFETY STRATEGY

Improvement of the ISPSM for supporting a safe working environment

Sustainable development of Gazprom within the established process safety parameters

Existing and Prospective Liquefied Natural Gas Production Facilities



Gazprom LNG Portovaya LLC
1,500,000 tons per year



Gazprom LNG Vladivostok LLC
1,500,000 tons per year

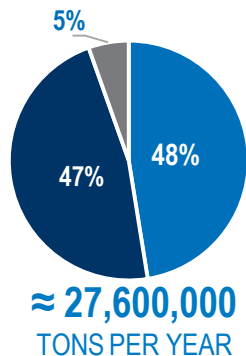


JSC RUSKHMALYANS
13,000,000 tons per year



SAKHALIN ENERGY
Sakhalin II project operator
11,600,000 tons per year

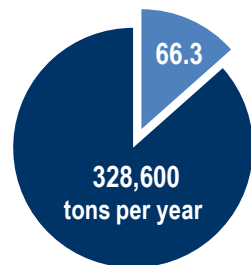
AGGREGATE OUTPUT OF EXISTING AND PROSPECTIVE LNG PRODUCTION FACILITIES



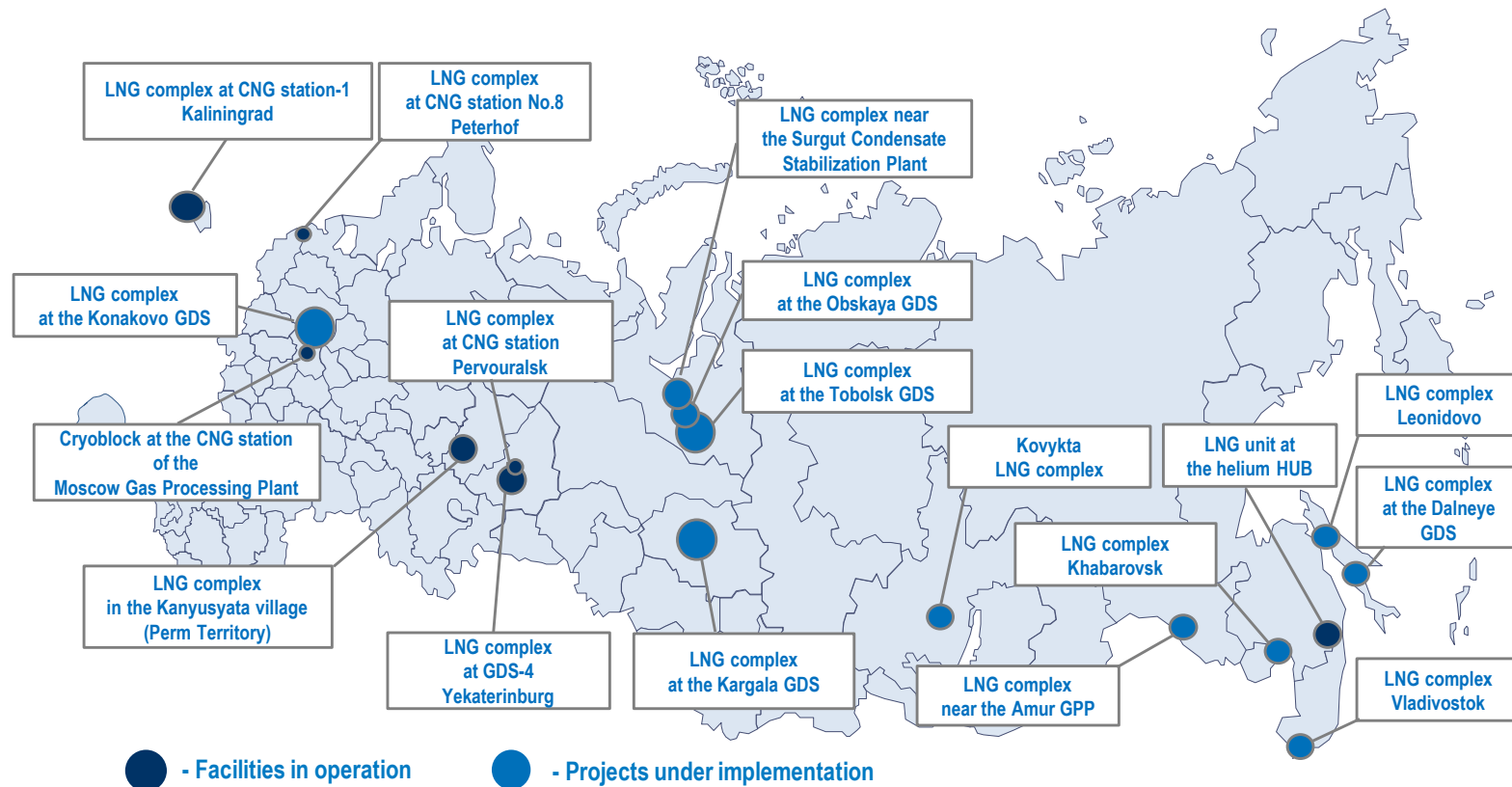
Existing and Prospective Production Infrastructure Facilities of Small-scale Liquefied Natural Gas Complexes



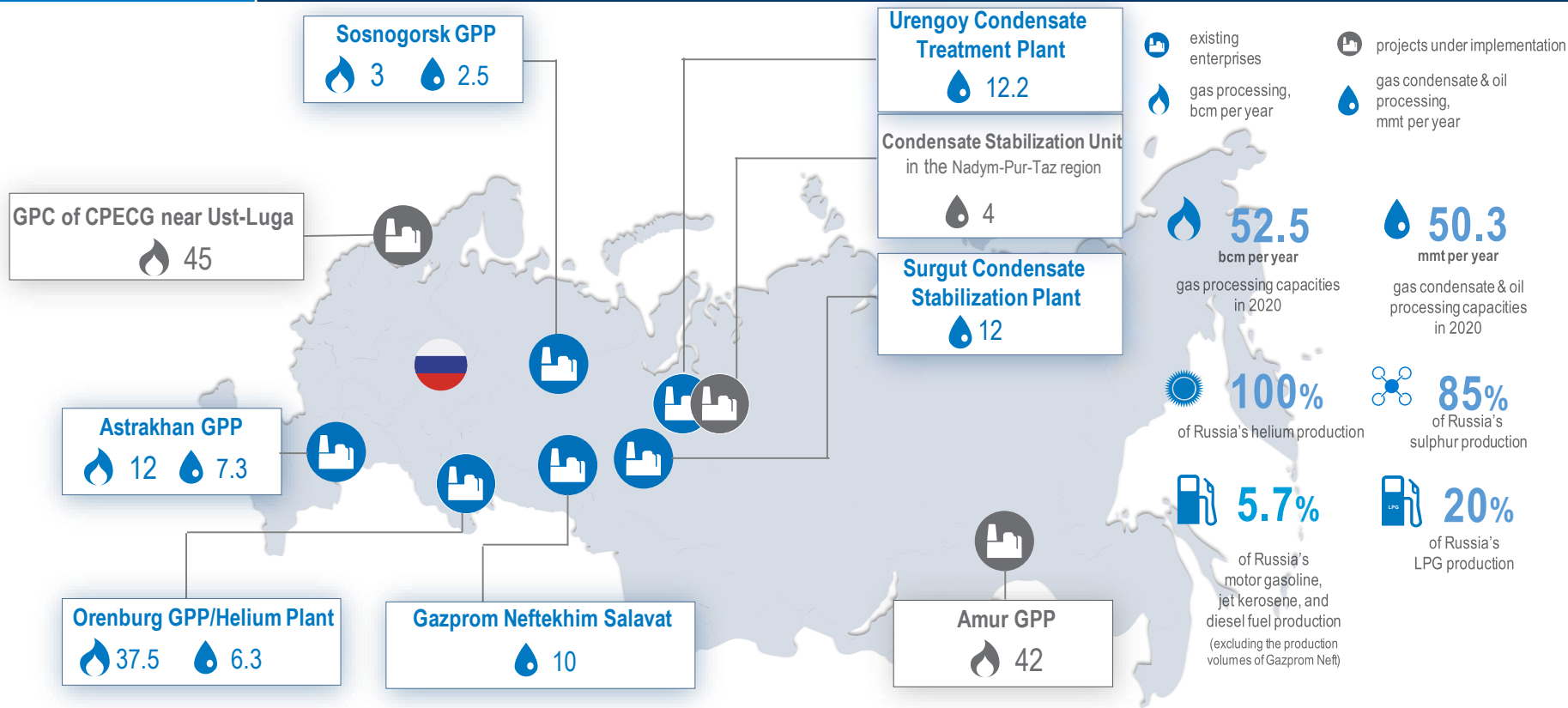
AGGREGATE OUTPUT OF
EXISTING AND PROSPECTIVE
LNG COMPLEXES



≈ 395,000
TONS PER YEAR



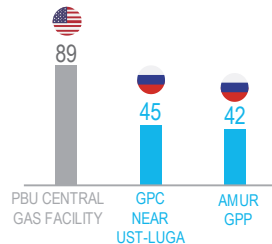
Gas Processing Segment of Business



- ❖ Increased monetization of wet gas reserves through the recovery of highly processed products with a high margin
- ❖ Diversification of product types – protection against the volatility of commodity markets
- ❖ Diversification of gas sales markets through increased production of LNG

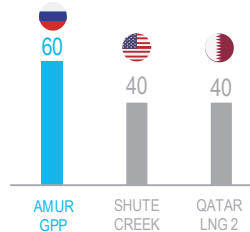
WORLD'S LARGEST GPPs

bcm per year



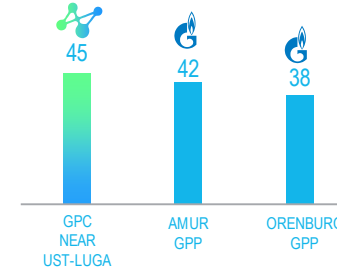
WORLD'S LARGEST HELIUM PRODUCTION FACILITIES

mcm per year

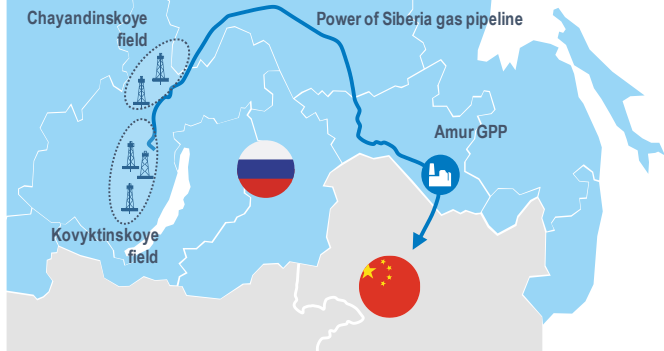


RUSSIA'S LARGEST GPPs

bcm per year



EASTERN GAS PROGRAM



EUR 11.4 BILLION

total project financing



22 BANKS

from Europe, Asia and Russia provided financing



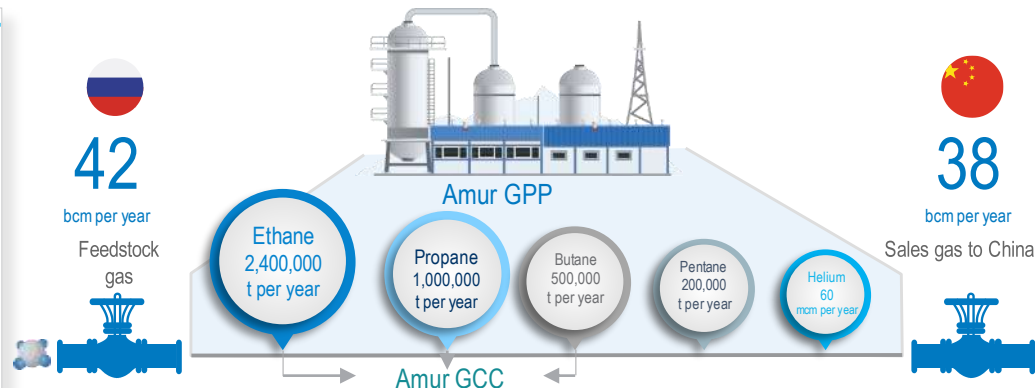
UP TO 17 YEARS

financing period



75.7%

overall current readiness of the Amur GPP project



2015

Start of construction



2022–2024

Launch of other start-up facilities (production trains 3–6)



2021

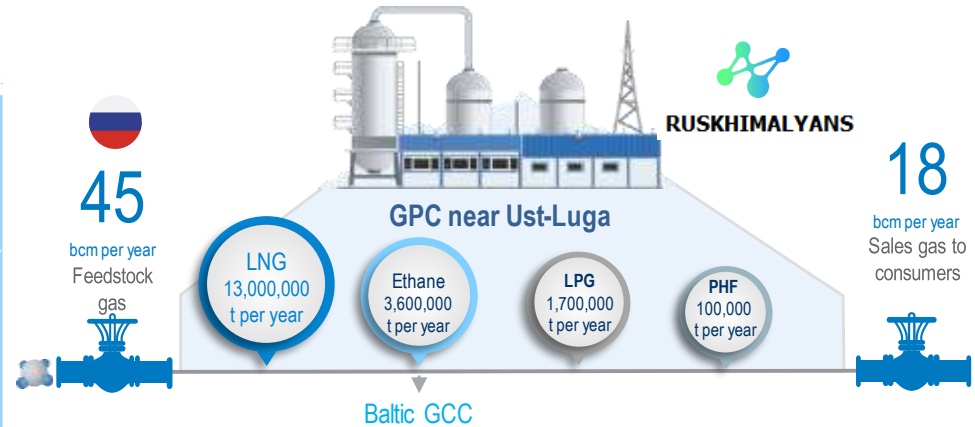
Launch of the 1st start-up facility (production trains 1 & 2)



2025

Operation at design capacity begins (6 production trains)

Gas Processing Complex of Complex for Processing Ethane-containing Gas near Ust-Luga



GAZPROM'S LARGEST PROJECT IN LIQUEFIED NATURAL GAS PRODUCTION

The Complex will have a capacity of 13 million tons per year:
two production trains with a capacity of 6.5 million tons per year each



THANK YOU FOR YOUR ATTENTION!